	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	
--	--	--

EX

22222222 22222222 22222222 22222222 2222	HH H	MM MM MMM MMM MMMM MMM MM MM MM MM MM MM	NN	\$	\$	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR
		\$					

.....

.....

....

%TITLE 'EDT\$CHMINSSTR - insert characters' MODULE EDTSCHMINSSTR ( ! Insert characters IDENT = 'V04-000' ! File: CHMINSSTR.BLI Edit: JBS1006

BEGIN

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FACILITY: EDT -- The DEC Standard Editor

ABSTRACT:

This module does a (change mode) insertion of a string of characters which may include carriage returns.

ENVIRONMENT: Runs at any access mode - AST reentrant

AUTHOR: Bob Kushlis, CREATION DATE: Unknown

MODIFIED BY:

1-001 - Original. DJS 04-Feb-1981. This module was created by extracting the routine INSERT\_STRING from the module CHANGE.BLI.
1-002 - Regularize headers. JBS 03-Mar-1981
1-003 - Change SPLIT\_LINE to EDT\$\$SPLT\_LNINS. JBS 30-Mar-1981
1-004 - New screen update logic. JBS T3-Sep-1982
1-005 - Add parameter to split line routine. SMB 16-Nov-1982
1-006 - Do special handling for trailing carriage returns. JBS 28-Dec-1982

EDTSCHMINSSTR V04-000	EDT\$CHMINSSTR - insert characters Declarations	M 15 16-Sep-1984 00:02:23 14-Sep-1984 12:22:37	VAX-11 Bliss-32 V4.0-742 [EDT.SRC]CHMINSSTR.BLI:1	Page (2)
55 557 558 560 558 661 663 665 667 771 778 778 778 778 778 778 778 778 77	0054 1 %SBTTL 'Declarations' 0055 1		haracters which may include	
83 84	0653 1 NONE 0654 1 EXTERNAL REFERENCES:			
84 85 86	0656 1 ! In the routine			

```
N 15
16-Sep-1984 00:02:23
14-Sep-1984 12:22:37
EDTSCHMINSSTR
V04-000
                                                                                                                                             VAX-11 Bliss-32 V4.0-742 [EDT.SRC]CHMINSSTR.BLI;1
                          EDT$CHMINSSTR - insert characters
                                                                                                                                                                                                       Page
                          EDT$$INS_CHS - insert characters
                                      *SBTTL 'EDT$$INS_CHS - insert characters'
    89
90
91
93
95
96
97
98
99
100
103
104
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107
                         0658
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0660
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0678
0679
                                       GLOBAL ROUTINE EDT$$INS_CHS (
                                                                                                                       Insert characters
                                                                                                                      address of string to insert
length of that string
                                             ) =
                                         FUNCTIONAL DESCRIPTION:
                                                   Insert a string of characters which may include carriage returns. Carriage returns are treated as line terminators, having the effect of breaking the current line of text into two.
                                          FORMAL PARAMETERS:
                                           S
                                                                             a pointer to the character string to insert.
                                                                             the length of the string.
    108
                                          IMPLICIT INPUTS:
    110
                                                   NONE
                         0681
0682
0683
0684
0685
0686
0687
0688
0691
0692
0693
0693
0697
0698
0699
    111
    112
                                          IMPLICIT OUTPUTS:
    114
                                                   NONE
    115
    116
                                          ROUTINE VALUE:
    118
                                                   A value of 0 is returned if a line exceeded 255 characters during the
                                                   insert (further insertions were lost).
    SIDE EFFECTS:
                                                   NONE
                                             BEGIN
                                            EXTERNAL ROUTINE
                                                   EDT$$INS STR,
EDT$$SPLT_LNINS : NOVALUE,
EDT$$CS_RIGHT,
EDT$$CS_LEFT;
                                                                                                                     Insert a string of characters at the current position Split a line of text at the current cursor position Move right a character Move left a character
                          0701
                         0702
0703
                          0704
                                            LOCAL
                                                   END STRING,
POINT,
                                                   MY_S.
                                             MY_L = .L:
                                          Initialize a pointer to the current character and one to the end of the
                                         string.
```

IF (CH\$RCHAR (.POINT) EQL ASC\_K\_CR)

```
C 16
16-Sep-1984 00:02:23
14-Sep-1984 12:22:37
EDTSCHMINSSTR
V04-000
                       EDT$CHMINSSTR - insert characters
EDT$$INS_CHS - insert characters
                                                                                                                                 VAX-11 Bliss-32 V4.0-742
LEDT.SRCJCHMINSSTR.BLI;1
    The character is a carriage return: split the line.
                       0774
0775
07776
07777
0778
0781
0782
0783
0784
0786
0788
0788
0788
0788
0791
0793
0794
0795
                                                    BEGIN
EDT$$SPLT_LNINS (1):
POINT = CR$PLUS (.POINT, 1);
                                                                                                         ! Use length optimizer
                                                    END
                                              ELSE
                                                     BEGIN
                                     The character is not a carriage return. Insert the string of
                                     characters up to the end or to the next carriage return.
                                                    MY_S = .POINT:
                                                    WHILE (CHSPTR_NEQ (.END_STRING, .POINT) AND (CHSRCHAR (.POINT) NEQ ASC_K_CR)) DO POINT = CRSPLUS (.POINT, 1);
                                                    IF (EDT$$INS_STR (.MY_S, CH$DIFF (.POINT, .MY_S)) EQL 0) THEN RETURN (0);
                                                    END:
                                              END:
                       0796
                                         RETURN (1);
                                         END:
                                                                                                         ! of routine EDT$$INS_CHS
                                                                                                            .TITLE
                                                                                                                        EDT$CHMINSSTR EDT$CHMINSSTR - insert characters
                                                                                                                        \V04-000\
                                                                                                            .EXTRN
                                                                                                                        EDT$$INS STR, EDT$$SPLT LNINS EDT$$CS_RIGHT, EDT$$CS_EFT
                                                                                                            .PSECT
                                                                                                                        _EDT$CODE,NOWRT, SHR, PIC.2
                                                                                                            .ENTRY
MOVAB
                                                                                                                        EDT$$INS CHS, Save R2,R3,R4,R5,R6 EDT$$SPLT_LNINS, R6
                                                                                007C
                                                                                                                                                                                           0660
                                                             0000000G
                                                         56
53
54
53
01
                                                                      08 AC
04 AC
04 AC
53
42
FF A344
52
53
                                                                                                                       L. MY L
S. POINT
S. MY L. END_STRING
MY L. #1
5$
                                                                                                            MOVL
                                                                                                                                                                                           0716
0717
                                                                                                            MOVL
                                    55
                                                                                                            ADDL3
                                                                                                            CMPL
                                                                                                                                                                                            0723
                                                                                                            BLEQ
                                                                                                                       -1 (MY_L)[POINT], #13
                                                         OD
                                                                                                            CMPB
                                                                                                            BNEQ
                                                                                                                        LINES_INSERTED
MY_L, #1
25
                                                                                                            CLRL
                                                                                                                                                                                           0735
0737
                                                         01
                                                                                   D1
                                                                                        00024 15:
                                                                                                            BLEQ
                                                                      FF A344
12
01
01
00
53
52
E2
53
                                                         OD
                                                                                                             CMPB
                                                                                                                        -1 (MY_L)[POINT], #13
                                                                                                            BNEQ
                                                                                                                                                                                           0739
                                                                                   DD
                                                                                                            PUSHL
                                                                                                                        #1, EDT$$SPLT LNINS
#0, EDT$$CS_LEFT
                                                                                                                                                                                           0740
0741
0742
0737
                                         0000000G
                                                                                   FB
D7
                                                                                                                       LINES_INSERTED
                                                                                                            DECL
                                                                                        0003E
00040
                                                                                                             INCL
                                                                                                            BRB
                                                                                        00042 25:
                                                                                                            PUSHL
                                                                                                                        MY_L
```

EDT\$CHMINSSTR EDT\$CHMINSSTR - insert	characters characters	D 16 16-Sep-1984 00:02:23 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:22:37 [EDT.SRCJCHMINSSTR.BLI;1	Page 6
B6	AF 53	4 DD 00044 PUSHL POINT 2 FB 00046 CALLS #2, EDT\$\$INS_CHS 0 DO 0004A MOVL RO, STATUS 7 11 0004D BRB 4\$	
00000000G	00	7 11 0004D BRB 4\$ 0 FB 0004F 3\$: CALLS #0, EDT\$\$CS_RIGHT	: 0753 : 0754
	F6	0 FB 0004F 3\$: CALLS #0, EDT\$\$CS_RIGHT 2 F4 00056 4\$: SOBGEQ I, 3\$ 3 D0 00059 MOVL STATUS, RO	0759
	54	04 0005C RET 5 D1 0005D 5\$: CMPL END_STRING, POINT 2 13 00060 BEQL 9\$	0767
	00	5 D1 0005D 5\$: CMPL END_STRING, POINT 2 13 00060 BEQL 9\$ 4 91 00062 CMPB (POINT), #13 9 12 00065 BNEQ 6\$	0770
		1 DD 00067 PUSHL #1	0776
		D II UUUDE BKM 33	0777 0770 0785 0787
	52	1 FB 00069	: 0785 : 0787
		4 13 0007B BEQL 8\$ 4 D6 0007D INCL POINT 2 11 0007F BRB 7\$	0788
7E	54	2 C3 00081 8\$: SUBL3 MY_S, POINT, -(SP) 2 DD 00085 PUSHL MY_S	0790
0000000G	00	2 FB 00087	
	50	4 11 00092 BRB 10\$ 1 DO 00094 9\$: MOVL #1, RO	0796
	5	04 00097 0 D4 00098 10\$: CLRL RO 04 0009A RET	0797

; Routine Size: 155 bytes, Routine Base: \_EDT\$CODE + 0000

: 228 0798 1 : 229 0799 1 !<BLF/PAGE>

E 16 16-Sep-1984 00:02:23 14-Sep-1984 12:22:37 EDTSCHMINSSTR VO4-000 EDT\$CHMINSSTR - insert characters EDT\$\$INS\_CHS - insert characters VAX-11 Bliss-32 V4.0-742 [EDT.SRC]CHMINSSTR.BLI:1 0800 0801 0802 ! of module EDT\$CHMINSSTR 1 END O ELUDOM

PSECT SUMMARY

Name

Bytes

Attributes

\_EDT\$CODE

155 NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)

Library Statistics

File	Total	- Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32:1 _\$255\$DUA28:[EDT.SRC]PSECTS.L32:1	377	2	50	40	00:00.2

## COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACEBACK/LIS=LIS\$: CHMINSSTR/OBJ=OBJ\$: CHMINSSTR MSRC\$: CHMINSSTR.BLI/UPDATE=(ENH\$: CHMINSSTR)

: Size: 155 code + 0 data bytes : Run Time: 00:13.5 : Elapsed Time: 00:16.7 : Lines/CPU Min: 3577 : Lexemes/CPU-Min: 10407 : Memory Used: 91 pages : Compilation Complete

0131 AH-BT13A-SE

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